

A schematic diagram of a piezoelectric actuator assembly. The assembly includes a piezoelectric actuator 1, which is a stack of piezoelectric layers 5(51) separated by spacers 50. The actuator is connected to a power source 68 via a switch 65. The power source is connected to the top surface 62 of the actuator. The bottom surface 60 of the actuator is connected to a ground 30 via a switch 30. The actuator is mounted on a substrate 4. A dashed line 7 indicates a cross-section of the actuator. The actuator is also connected to a load 52 via a switch 50A.

FIG. 3

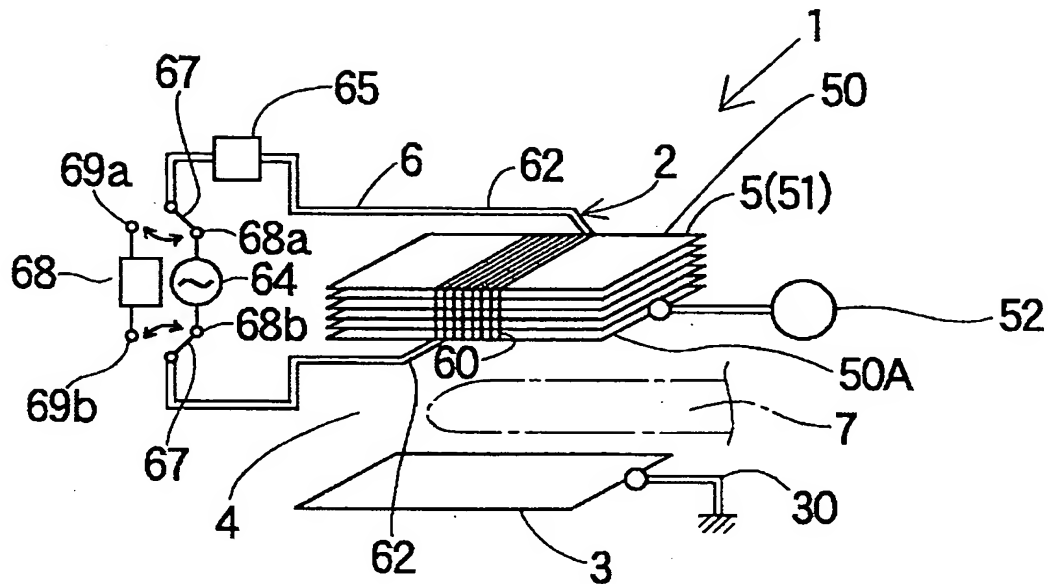


FIG. 4

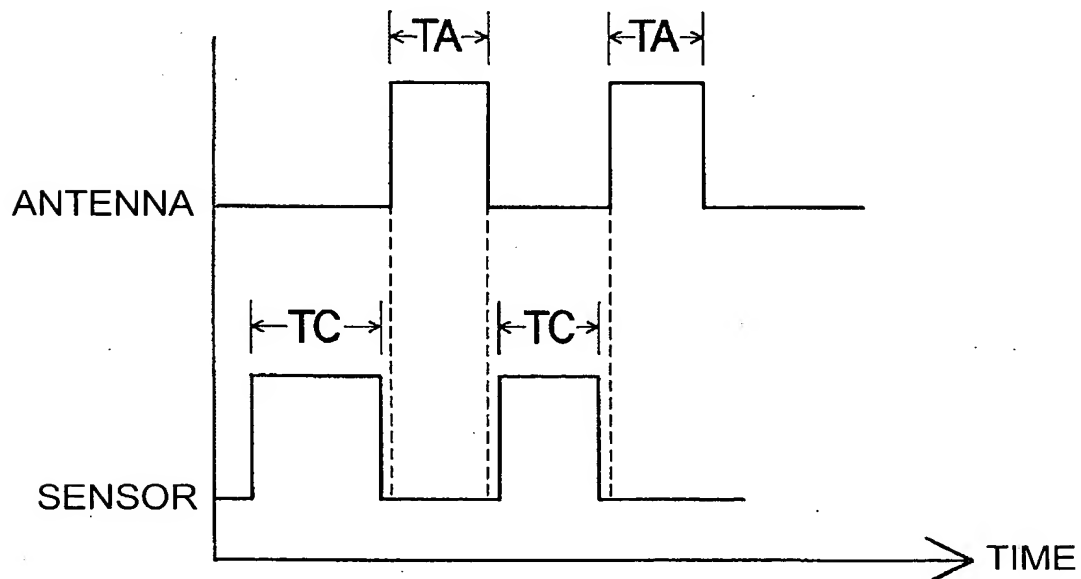


FIG. 5

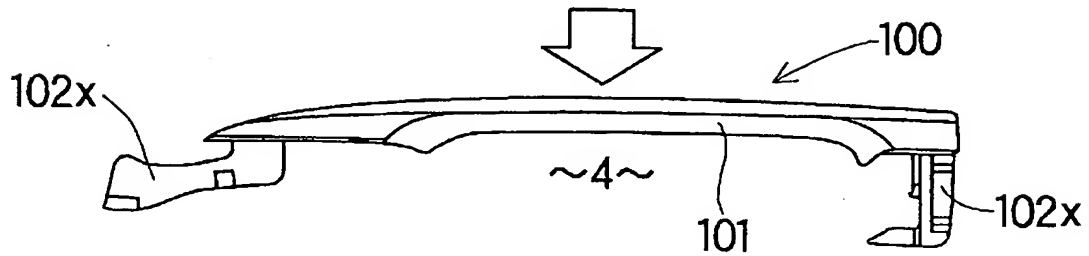


FIG. 6

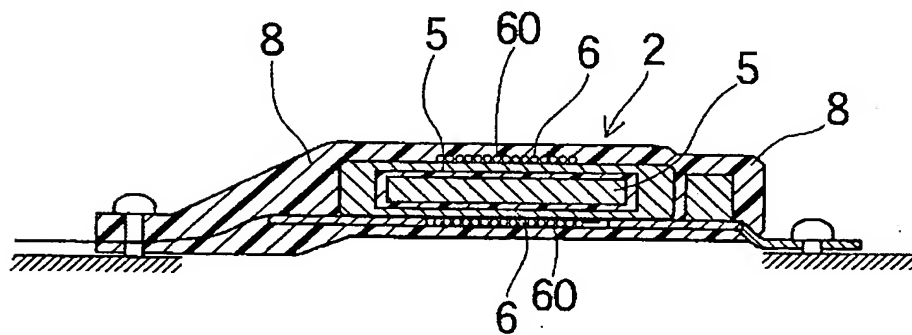


FIG. 7

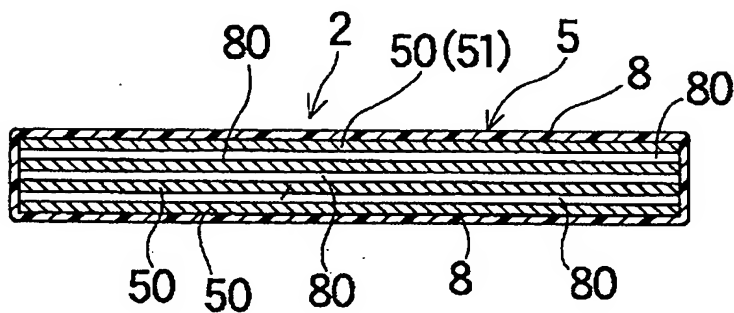


FIG. 8

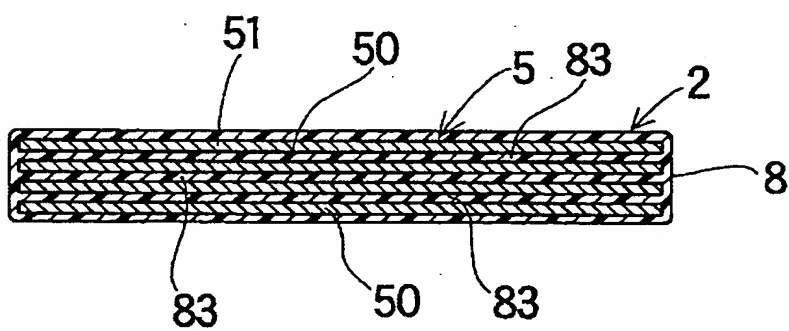


FIG. 9

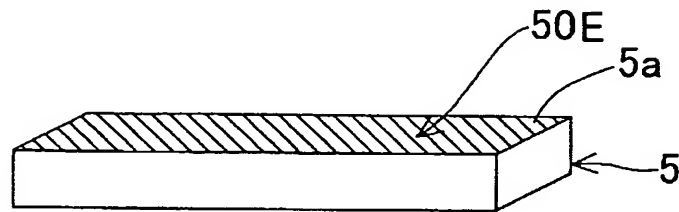


FIG.10

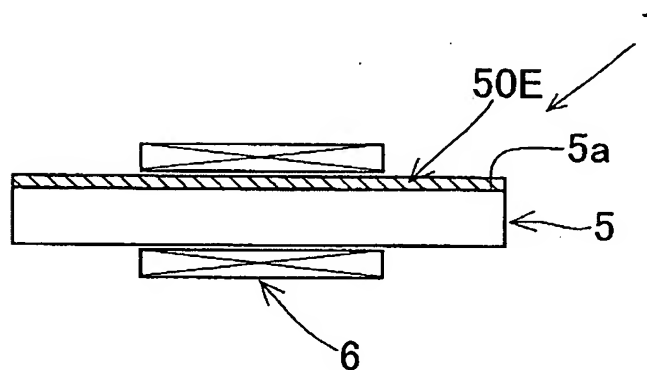




FIG. 13

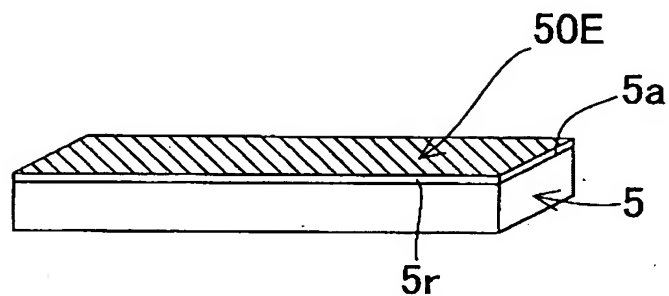


FIG. 14

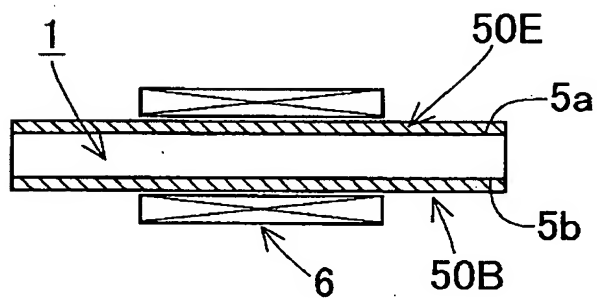


FIG. 15

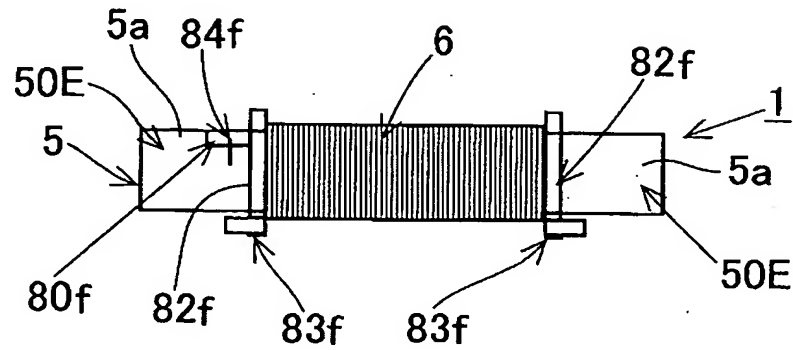


FIG.16

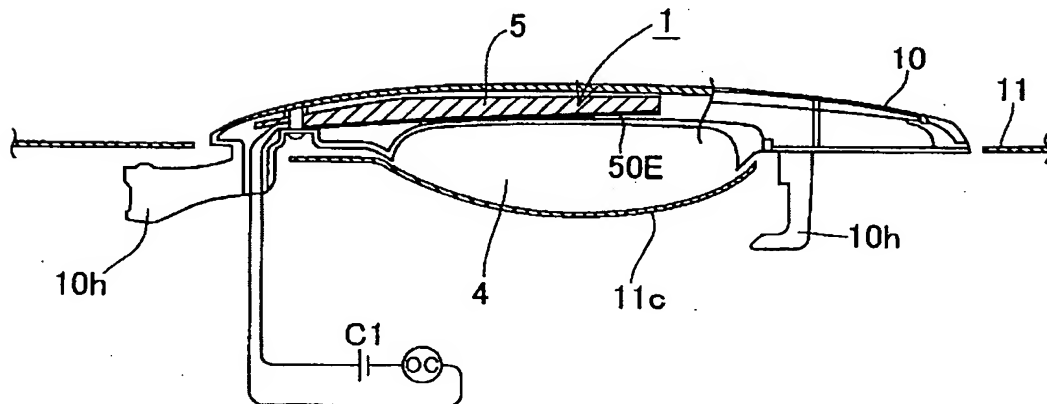




FIG. 17

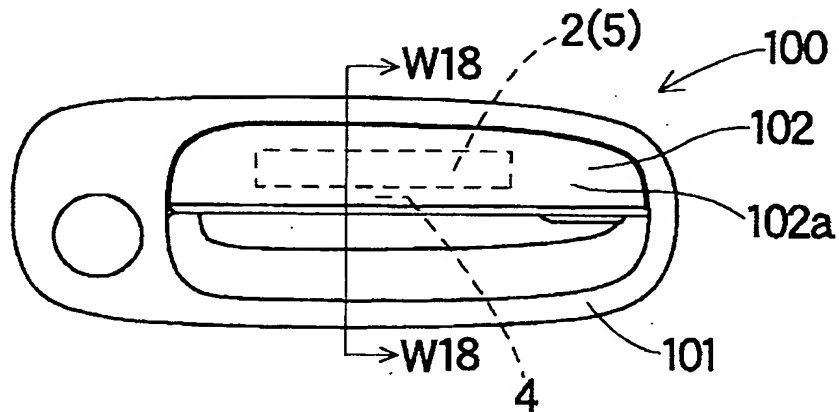


FIG.18

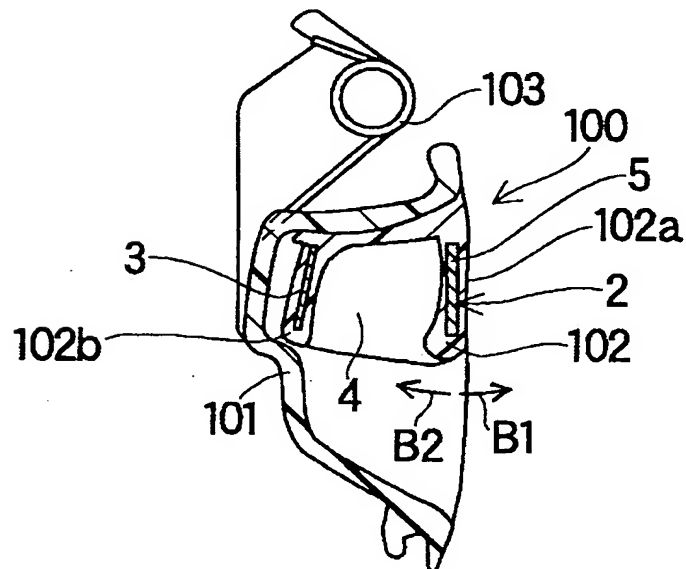


FIG. 19

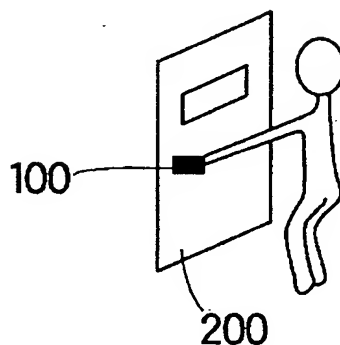


FIG. 20

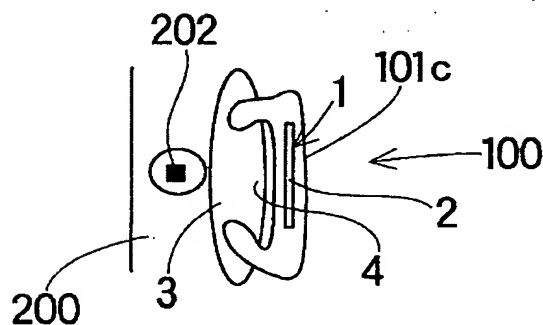


FIG. 21

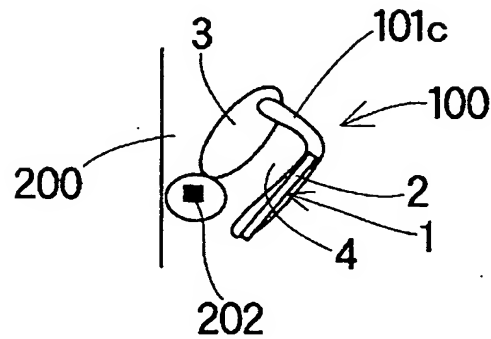


FIG. 22

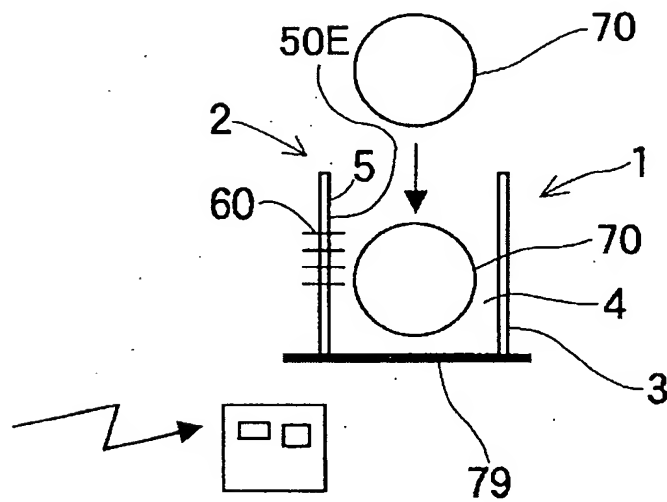


FIG. 23

